

# BOHN

THE COLD STANDARD

BN-ETPTB

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## EXTENDED THIN PROFILE UNIT COOLER

### Technical Guide

Models LTA | Air Defrost • LTL | Electric Defrost



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## Nomenclature

LT	A	053	B	A
Model Series	Model Type	Capacity	Electrical Code	Design Revision
Bohn Extended Thin Profile Unit Cooler	A = Air defrost L = Electric defrost	# BTUH x 100	A = 115/1/60 B = 208-230/1/60	

## Features & Benefits

### Cabinet

- Low height makes it the most compact unit for reach-in display cases where space is limited, giving the case a clean look and allowing for more shelving and product storage
- Textured aluminum cabinet
- Easy access to motors and the refrigerant and electrical components with front access panel
- Modular front access panels provide easy access to motors and can be removed independently of the drain pan
- Plastic vibration isolators for fan panels and drain pan reduce noise and vibration
- Liquid-line solenoid wire harness comes standard for quick installation

### Coil

- Internally enhanced tube design produces better unit performance
- Blow-through coil means air is discharged through the coil
- Heaters are attached to the coil for easier serviceability
- Models available for R-404A and R-22 refrigerant

### Controls

- Defrost termination control
- Fan delay control
- Heater safety control

### Options

- Reverse air flow
- Beacon II™ compatible
- Smooth white painted cabinet
- Pre-assembled units with factory mounted TXV, liquid-line solenoid and room thermostat
- Coated coil for corrosion protection

# Performance Data & Specifications

## Model LTA Air Defrost

Model	Capacity		Fan Data			Shaded Pole Motor				
	10°F TD 25°F SST	6°C TD -4°C SST	No.	CFM	m³H	HP	115/1/60		208-230/1/60	
	BTUH	Watts					Amps	Watts	Amps	Watts
LTA053	<b>5,300</b>	1,550	2	<b>850</b>	1,450	1/20	<b>3.6</b>	220	<b>2.0</b>	200
LTA079	<b>7,900</b>	2,310	3	<b>1,350</b>	2,300	1/20	<b>5.4</b>	330	<b>3.0</b>	300
LTA102	<b>10,200</b>	2,990	4	<b>1,800</b>	3,100	1/20	<b>7.2</b>	440	<b>4.0</b>	400
LTA134	<b>13,400</b>	3,930	5	<b>2,250</b>	3,850	1/20	<b>9.0</b>	550	<b>5.0</b>	500
LTA172	<b>17,200</b>	5,040	6	<b>2,550</b>	4,350	1/20	<b>10.8</b>	660	<b>6.0</b>	600

## Model LTL Electric Defrost

Model	Capacity		Fan Data			Shaded Pole Motor		Defrost Heaters		
	10°F TD -10°F SST	6°C TD -23°C SST	No.	CFM	m³H	HP	208-230/1/60		208-230/1/60	
	BTUH	Watts					Amps	Watts	Amps	Watts
LTL046BA	<b>4,600</b>	1,350	2	<b>850</b>	1,450	1/20	<b>2.0</b>	200	<b>4.8</b>	1,100
LTL068BA	<b>6,800</b>	1,990	3	<b>1,300</b>	2,200	1/20	<b>3.0</b>	300	<b>7.2</b>	1,650
LTL093BA	<b>9,300</b>	2,720	4	<b>1,700</b>	2,900	1/20	<b>4.0</b>	400	<b>9.6</b>	2,200
LTL115BA	<b>11,500</b>	3,370	5	<b>2,100</b>	3,600	1/20	<b>5.0</b>	500	<b>12.0</b>	2,750
LTL133BA	<b>13,300</b>	3,900	6	<b>2,550</b>	4,350	1/20	<b>6.0</b>	600	<b>14.4</b>	3,300

### Capacity Correction Factor Electric Defrost Units

Saturated Suction Temperature °F	+20	-10	-20
Saturated Suction Temperature °C	-7	-23	-29
Multiply Capacity By	1.11	1.00	0.96

## Physical Data

### Model LTA Air Defrost

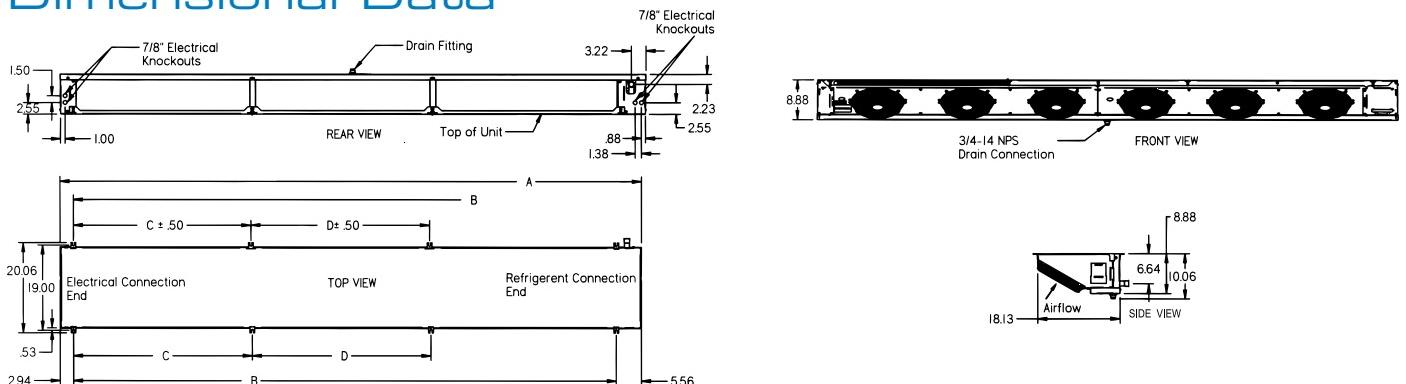
Model	No. of Fans	Connections (in.)				Approx. Net Wt. (lbs.)
		Coil Inlet OD	Suction ID	External Equalizer OD	Drain MPT	
LTA053	2	1/2	5/8	1/4	3/4	48
LTA079	3	1/2	5/8	1/4	3/4	69
LTA102	4	1/2	7/8	1/4	3/4	85
LTA134	5	1/2	7/8	1/4	3/4	108
LTA172	6	1/2	1-1/8	1/4	3/4	124

\* Suction connection is swedged to directly accept piping

### Model LTL Electric Defrost

Model	No. of Fans	Connections (in.)				Approx. Net Wt. (lbs.)
		Coil Inlet OD	Suction ID	External Equalizer OD	Drain MPT	
LTL046	2	1/2	5/8	1/4	3/4	48
LTL068	3	1/2	5/8	1/4	3/4	69
LTL093	4	1/2	7/8	1/4	3/4	85
LTL115	5	1/2	7/8	1/4	3/4	108
LTL133	6	1/2	1-1/8	1/4	3/4	124

## Dimensional Data



## Dimensional Data For All Models

Air Defrost	Electric Defrost	No. of Fans	Dimensions							
			A		B		C		D	
			in.	mm	in.	mm	in.	mm	in.	mm
LTA053	LTL046	2	<b>49-3/8</b>	1,254	<b>40-7/8</b>	1,038	-	-	-	-
LTA079	LTL068	3	<b>69-1/8</b>	1,756	<b>60-5/8</b>	1,540	-	-	-	-
LTA102	LTL093	4	<b>88-7/8</b>	2,257	<b>80-3/8</b>	2,042	<b>40-7/8</b>	1,038	-	-
LTA134	LTL115	5	<b>108-5/8</b>	2,759	<b>100-1/8</b>	2,543	<b>40-7/8</b>	1,038	-	-
LTA172	LTL133	6	<b>128-3/8</b>	3,261	<b>119-7/8</b>	3,045	<b>40-7/8</b>	1,038	<b>39-1/2</b>	1,003



For more information on Bohn Refrigeration Products, contact  
your Sales Representative or visit us at [www.thecoldstandard.com](http://www.thecoldstandard.com).



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Since product improvement is a continuing effort, we reserve the right to  
make changes in specifications without notice.